



MOBILE SOLUTIONS

ROUTER

CONFIGURATION

Technical Guide

Version # 7.4 Rev1



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Configure Wireless Router

Note: Router is to only be used for wireless handheld devices.

Basic Settings

Leave or set router password to routers default password.

Usually User **Name: admin Password: admin**

Lan

Set IP to 192.168.2.1

Enable DHCP

DHCP Range 192.168.100 – 200

Wireless

Set SSID to the EEMS Case Name provide on configuration sheet

Se Encryption to **WEP or Shared**

Set key to “**a1b2c3d4e5**”

Engenius

1. Ensure both PC and handheld device(s) are on same wireless network/subnet.
2. Open **Internet Explorer** and enter **192.168.0.1** in the address bar and press **enter**.

(Factory router IP: 192.168.0.1)

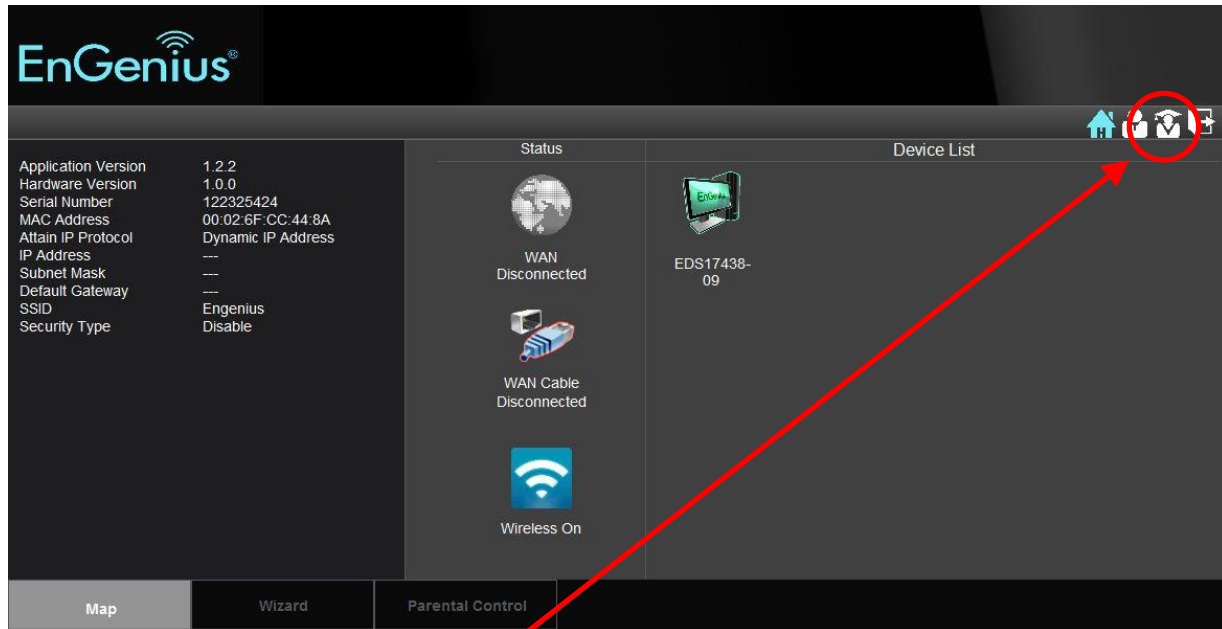
You will be taken to the Router login prompt.

Enter user name: admin password: admin

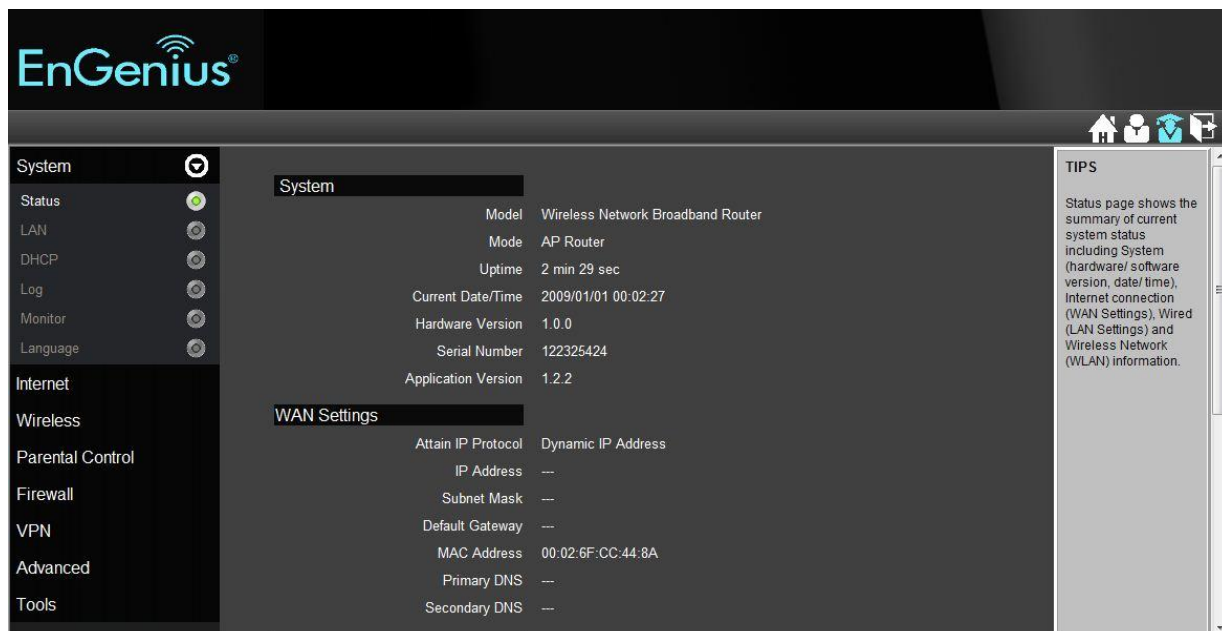


The image shows the Engenius router login interface. At the top, the Engenius logo is displayed in green, with the tagline "THE LEADER IN LONG RANGE WIRELESS" below it. The background is dark with a subtle grid pattern. In the center, there are two input fields: "Username" with the text "admin" entered, and "Password" which is empty. Below these fields are two buttons: "Login" and "Cancel".

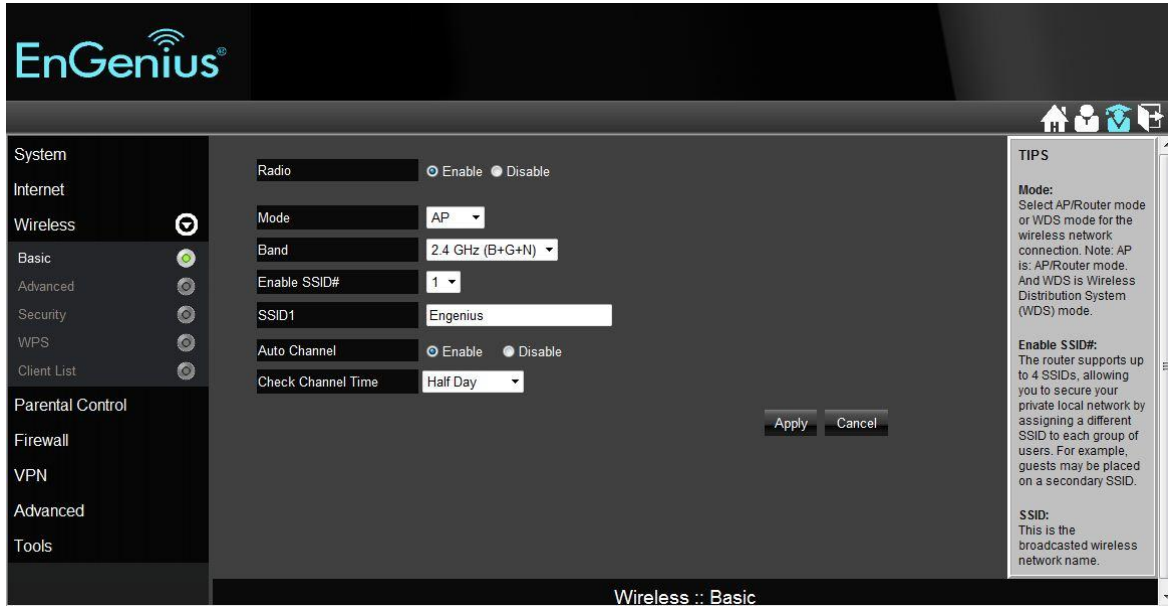
System Settings



Under “System” settings



Wireless settings



The screenshot shows the EnGenius router configuration interface. The left sidebar contains a menu with options: System, Internet, Wireless (selected), Basic, Advanced, Security, WPS, Client List, Parental Control, Firewall, VPN, Advanced, and Tools. The main content area is titled 'Wireless :: Basic'. It features a 'Radio' section with 'Enable' selected. Below this are fields for 'Mode' (AP), 'Band' (2.4 GHz (B+G+N)), 'Enable SSID#' (1), 'SSID1' (Engenius), 'Auto Channel' (Enable), and 'Check Channel Time' (Half Day). 'Apply' and 'Cancel' buttons are at the bottom right. A 'TIPS' sidebar on the right provides information about Mode, Enable SSID#, and SSID.

Radio ☒ Enable ☐ Disable

Mode AP

Band 2.4 GHz (B+G+N)

Enable SSID# 1

SSID1 Engenius

Auto Channel ☒ Enable ☐ Disable

Check Channel Time Half Day

Apply Cancel

TIPS

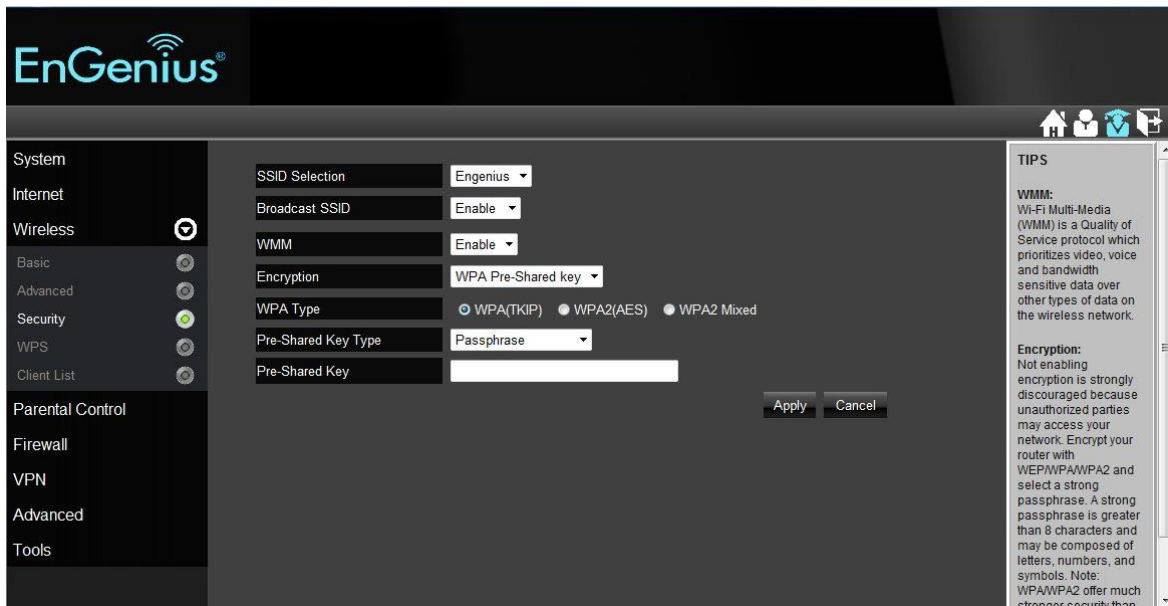
Mode:
Select AP/Router mode or WDS mode for the wireless network connection. Note: AP is: AP/Router mode. And WDS is Wireless Distribution System (WDS) mode.

Enable SSID#:
The router supports up to 4 SSIDs, allowing you to secure your private local network by assigning a different SSID to each group of users. For example, guests may be placed on a secondary SSID.

SSID:
This is the broadcasted wireless network name.

Set SSID to the case name provided on the install instructions.

Passphrase: a1b2c3d4e5



The screenshot shows the EnGenius router configuration interface for wireless security. The left sidebar is the same as the previous screenshot. The main content area is titled 'Wireless :: Security'. It features fields for 'SSID Selection' (Engenius), 'Broadcast SSID' (Enable), 'WMM' (Enable), 'Encryption' (WPA Pre-Shared key), 'WPA Type' (WPA(TKIP)), 'Pre-Shared Key Type' (Passphrase), and 'Pre-Shared Key'. 'Apply' and 'Cancel' buttons are at the bottom right. A 'TIPS' sidebar on the right provides information about WMM and Encryption.

SSID Selection Engenius

Broadcast SSID Enable

WMM Enable

Encryption WPA Pre-Shared key

WPA Type ☒ WPA(TKIP) ☐ WPA2(AES) ☐ WPA2 Mixed

Pre-Shared Key Type Passphrase

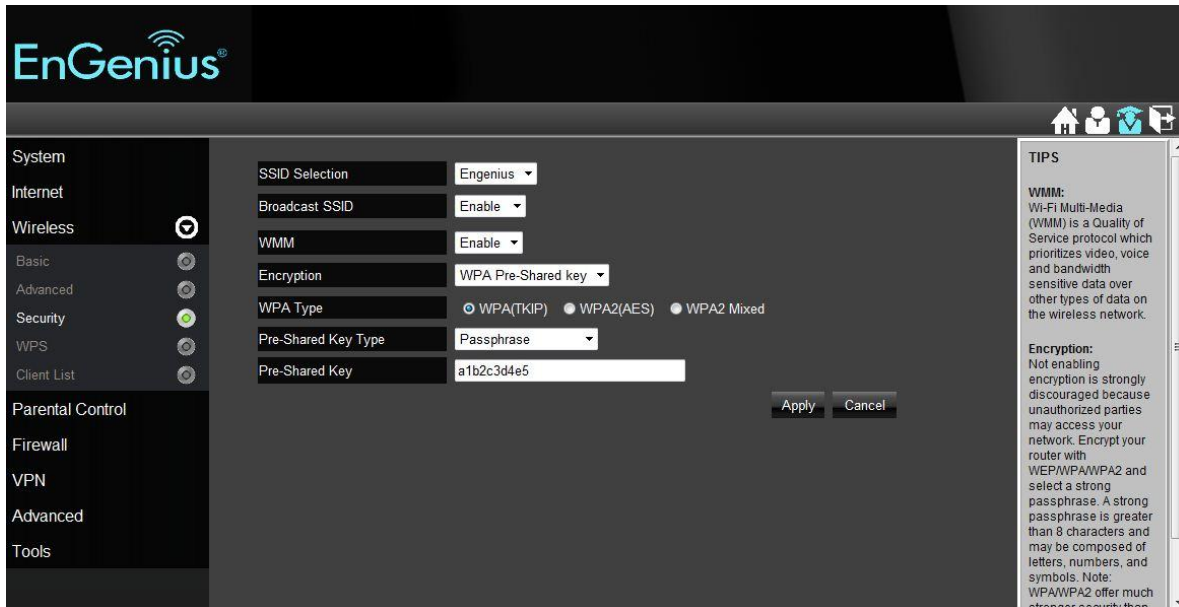
Pre-Shared Key

Apply Cancel

TIPS

WMM:
Wi-Fi Multi-Media (WMM) is a Quality of Service protocol which prioritizes video, voice and bandwidth sensitive data over other types of data on the wireless network.

Encryption:
Not enabling encryption is strongly discouraged because unauthorized parties may access your network. Encrypt your router with WEP/WPA/WPA2 and select a strong passphrase. A strong passphrase is greater than 8 characters and may be composed of letters, numbers, and symbols. Note: WPA/WPA2 offer much stronger security than WEP.



The screenshot shows the EnGenius router configuration interface. The left sidebar contains a menu with options: System, Internet, Wireless (selected), Basic, Advanced, Security, WPS, Client List, Parental Control, Firewall, VPN, Advanced, and Tools. The main content area is titled 'Wireless' and contains the following settings:

| | |
|---------------------|---|
| SSID Selection | Engenius |
| Broadcast SSID | Enable |
| WMM | Enable |
| Encryption | WPA Pre-Shared key |
| WPA Type | <input checked="" type="radio"/> WPA(TKIP) <input type="radio"/> WPA2(AES) <input type="radio"/> WPA2 Mixed |
| Pre-Shared Key Type | Passphrase |
| Pre-Shared Key | a1b2c3d4e5 |

At the bottom right of the settings area are 'Apply' and 'Cancel' buttons. On the far right, there is a 'TIPS' section with the following text:

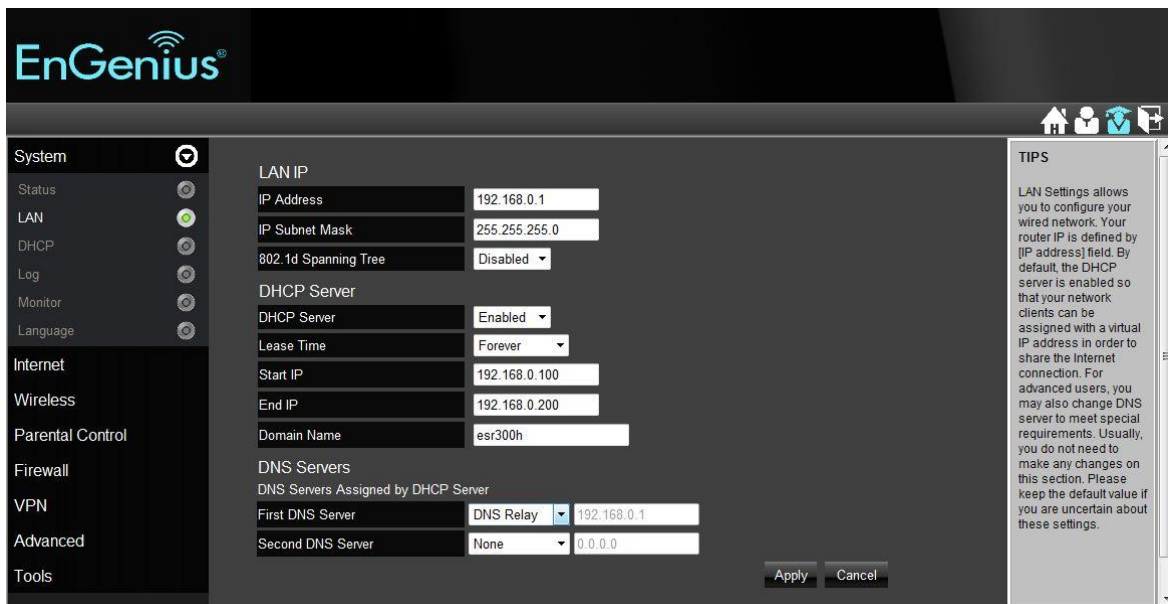
WMM:
Wi-Fi Multi-Media (WMM) is a Quality of Service protocol which prioritizes video, voice and bandwidth sensitive data over other types of data on the wireless network.

Encryption:
Not enabling encryption is strongly discouraged because unauthorized parties may access your network. Encrypt your router with WEP/WPA/WPA2 and select a strong passphrase. A strong passphrase is greater than 8 characters and may be composed of letters, numbers, and symbols. Note: WPA/WPA2 offer much stronger security than

LAN Settings

Change the IP address to: 192.168.2.1

DHCP range: 192.168.2.100 - 200



The screenshot shows the EnGenius router configuration interface with the 'LAN' tab selected in the left sidebar. The main content area is titled 'LAN' and contains the following settings:

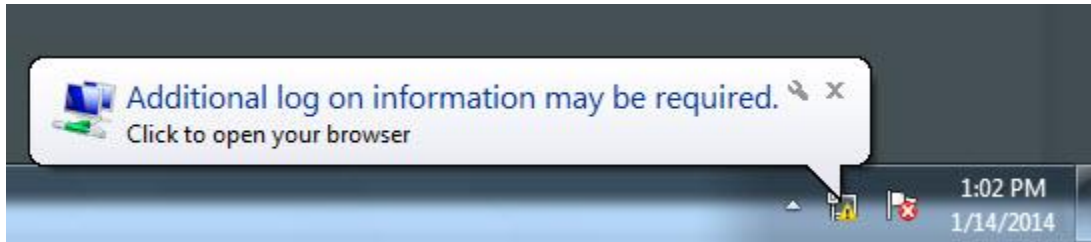
| | |
|-------------------------------------|-----------------------|
| LAN IP | |
| IP Address | 192.168.0.1 |
| IP Subnet Mask | 255.255.255.0 |
| 802.1d Spanning Tree | Disabled |
| DHCP Server | |
| DHCP Server | Enabled |
| Lease Time | Forever |
| Start IP | 192.168.0.100 |
| End IP | 192.168.0.200 |
| Domain Name | esr300h |
| DNS Servers | |
| DNS Servers Assigned by DHCP Server | |
| First DNS Server | DNS Relay 192.168.0.1 |
| Second DNS Server | None 0.0.0.0 |

At the bottom right of the settings area are 'Apply' and 'Cancel' buttons. On the far right, there is a 'TIPS' section with the following text:

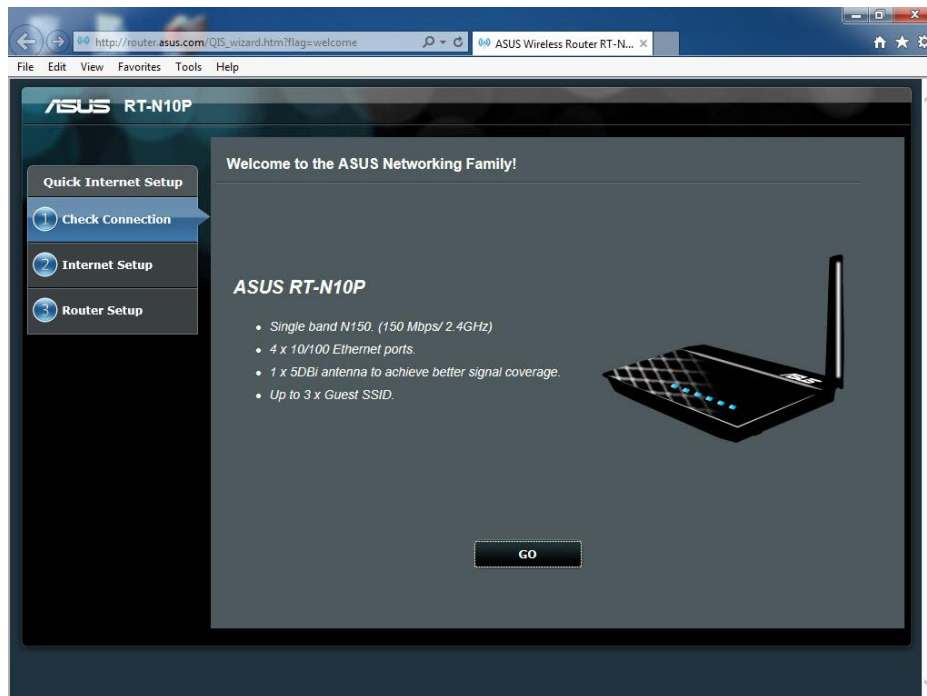
LAN Settings allows you to configure your wired network. Your router IP is defined by [IP address] field. By default, the DHCP server is enabled so that your network clients can be assigned with a virtual IP address in order to share the Internet connection. For advanced users, you may also change DNS server to meet special requirements. Usually, you do not need to make any changes on this section. Please keep the default value if you are uncertain about these settings.

Note: You will have to change IP on case/PC to same subnet of router (192.168.2.2)

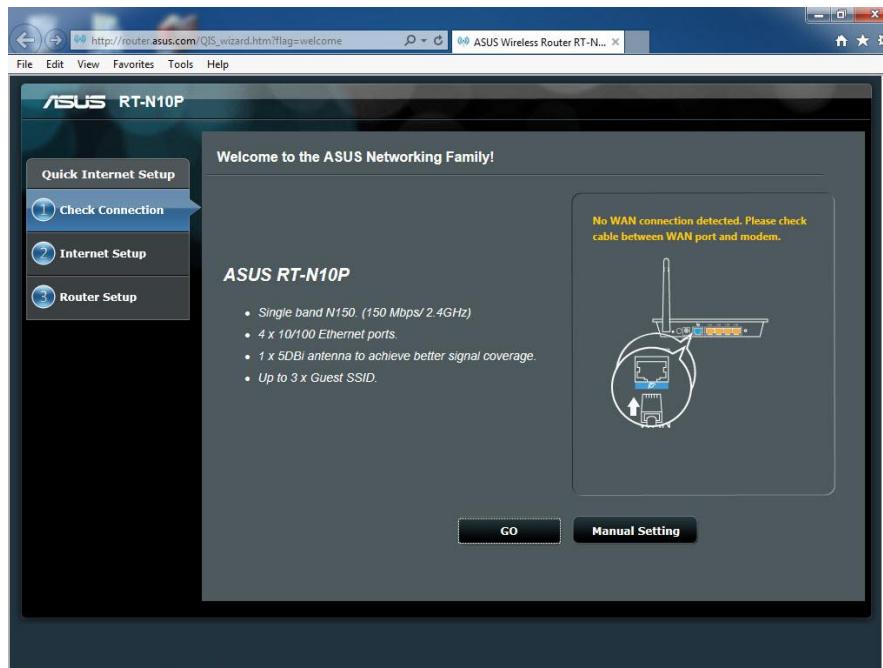
ASUS RT-N10P



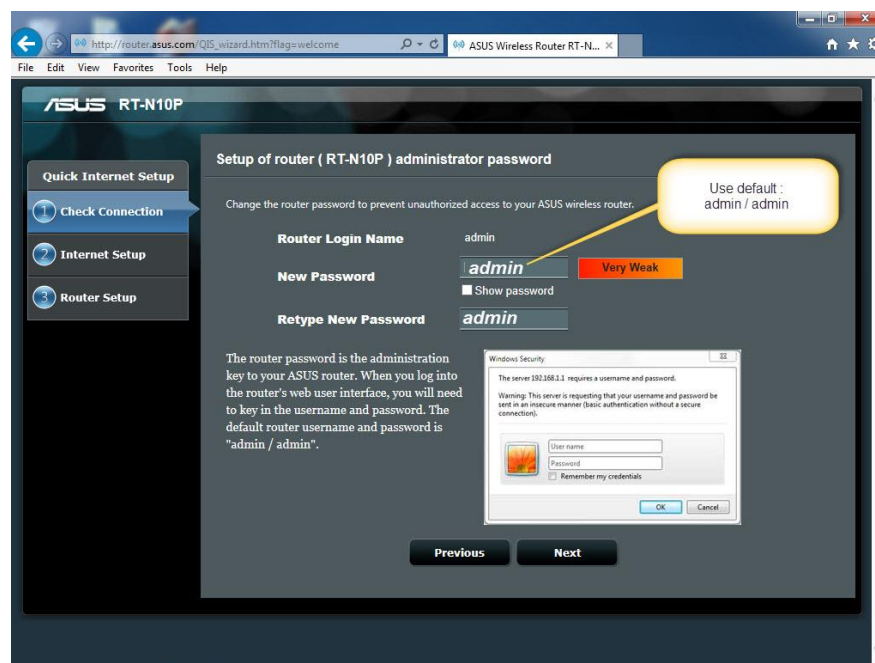
Click on this balloon or Browse to 192.168.1.1



A wizard will run. Select **Go**.

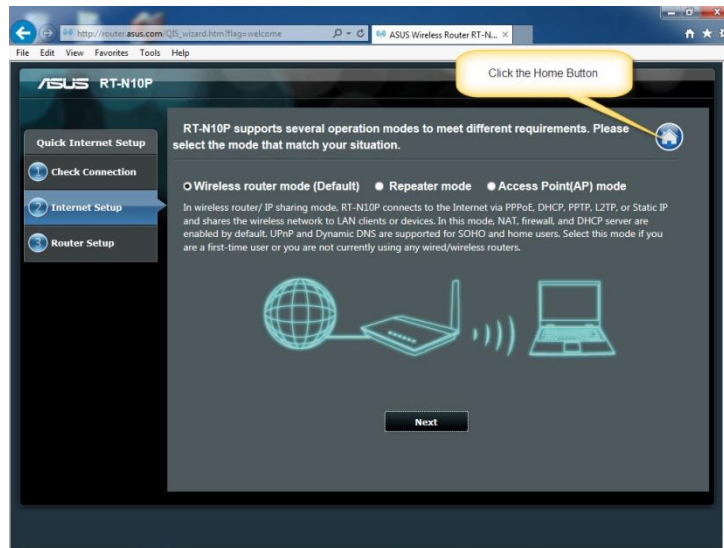


Select Manual Setting

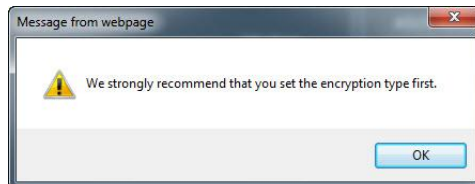


Router requires you to change router during setup. Set to default setting

User: **admin** Password: **admin**

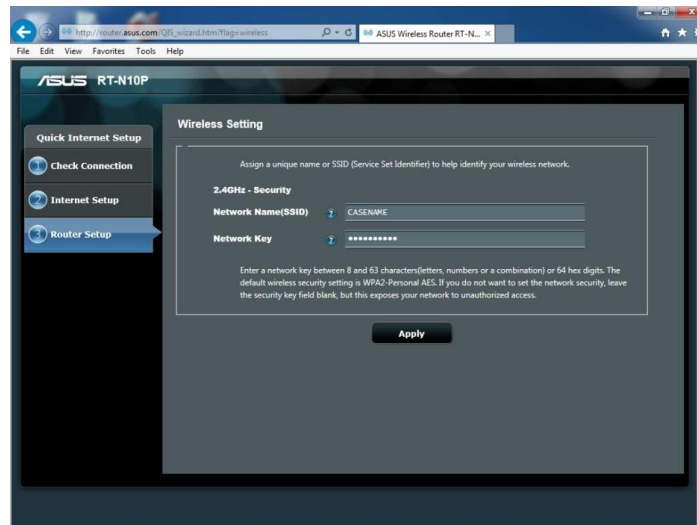


Click **Home** Button



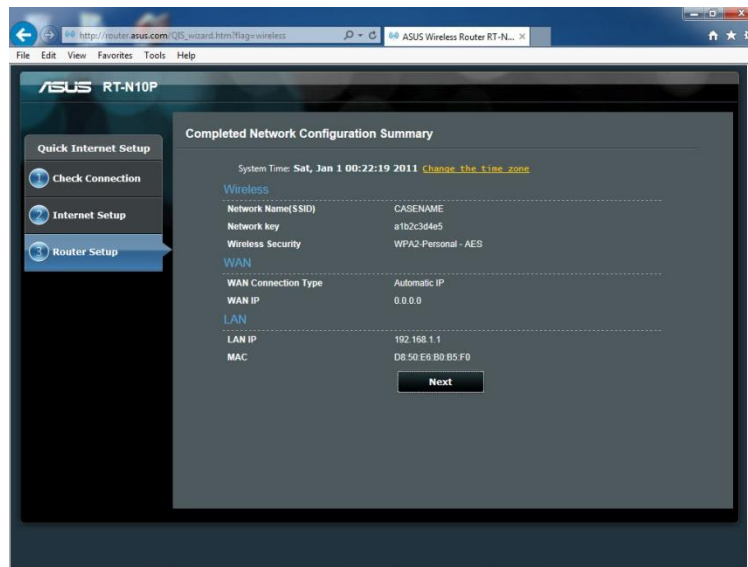
Click **OK**

Wireless Setting

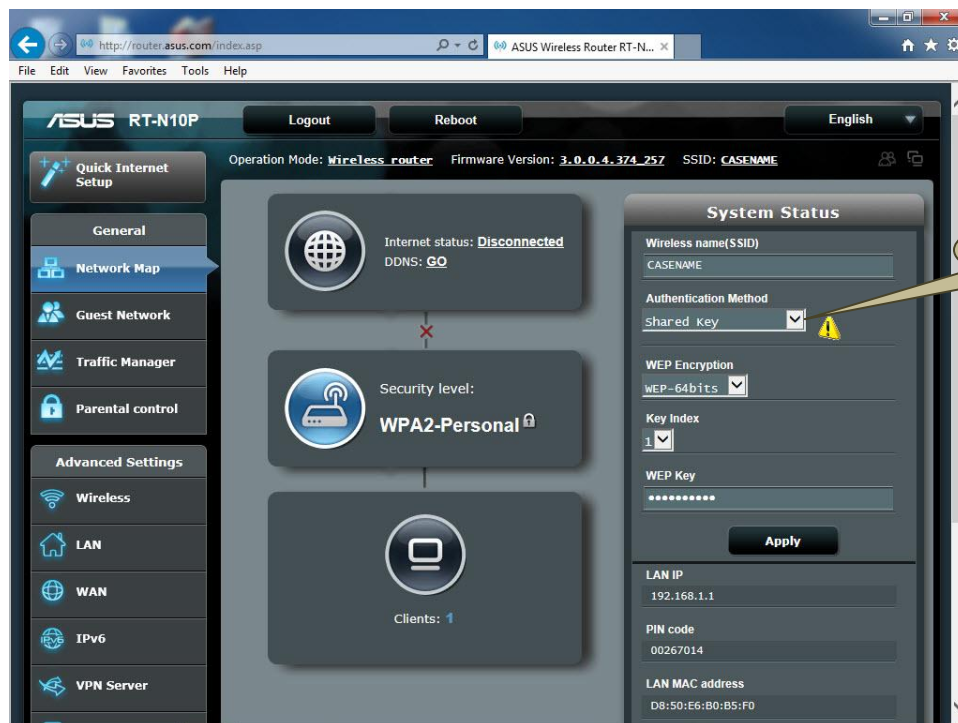


Set the SSID to the **case name** provide in the install sheet

Click **Apply**



Click **Next**

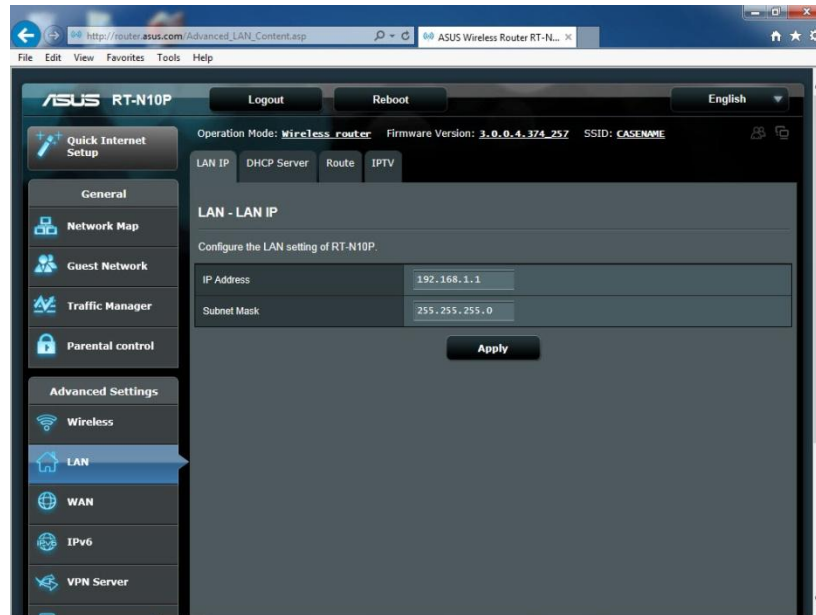


Change the Authentication to Open

Enter WEP Key : **a1b2c3d4e5**

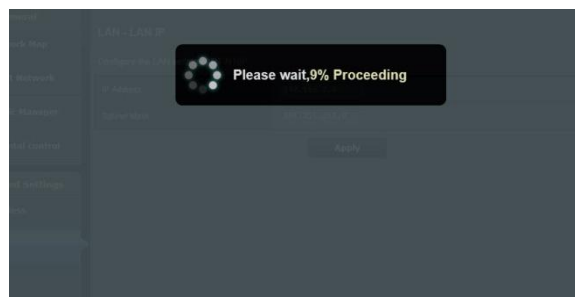
Click **Apply**

System Setting



Click the LAN button and change the IP to **192.168.2.1** mask **255.255.255.0**

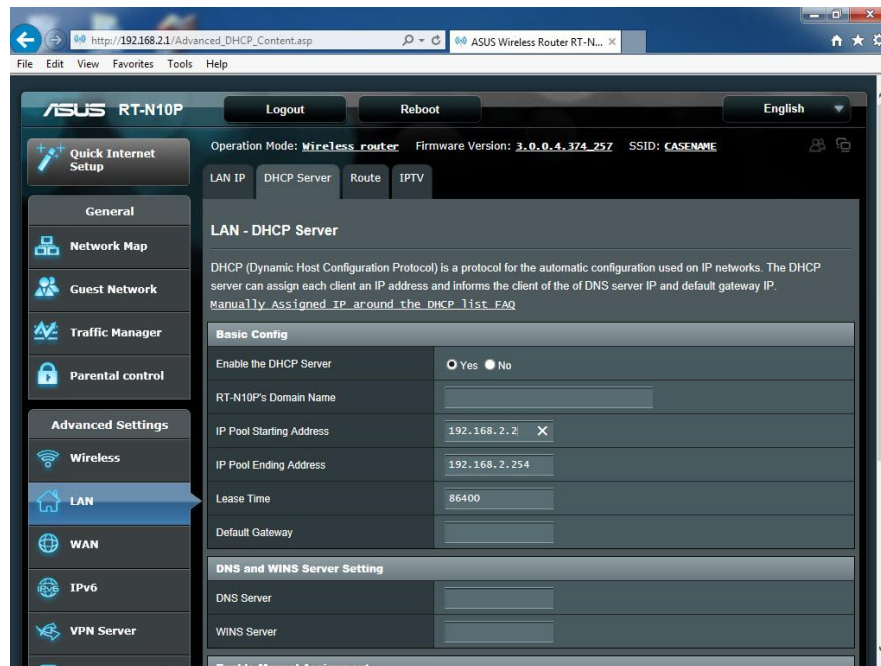
Click **Apply**



Router will reset

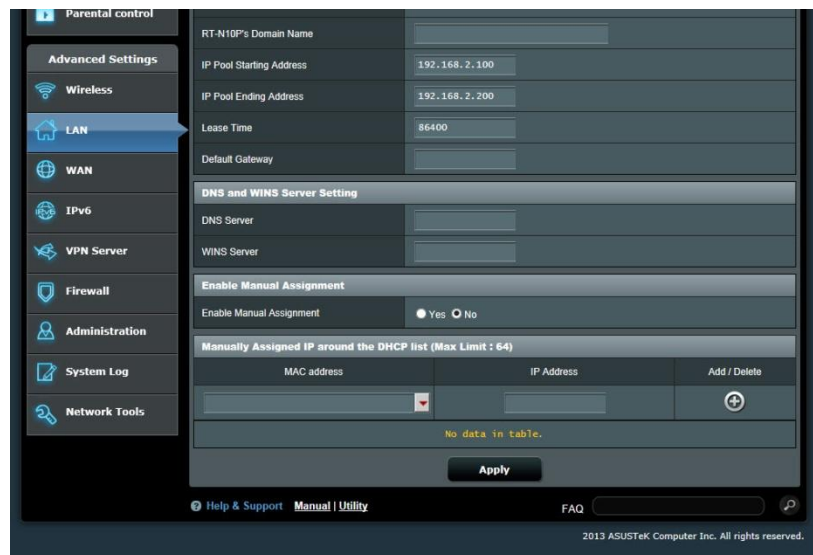


After router resets login **admin/admin**



Click on **Lan**

Set DHCP Server ip Range to 192.168.2.100-200



Scroll down and click **Apply**